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* * * * * Welcome to STN International * * * * *

NEWS 1 Web Page URLs for STN Seminar Schedule - N. America
 NEWS 2 "Ask CAS" for self-help around the clock
 NEWS 3 JAN 17 Pre-1988 INPI data added to MARPAT
 NEWS 4 FEB 21 STN AnaVist, Version 1.1, lets you share your STN AnaVist
 visualization results
 NEWS 5 FEB 22 The IPC thesaurus added to additional patent databases on STN
 NEWS 6 FEB 22 Updates in EPFULL; IPC 8 enhancements added
 NEWS 7 FEB 27 New STN AnaVist pricing effective March 1, 2006
 NEWS 8 MAR 03 Updates in PATDPA; addition of IPC 8 data without attributes
 NEWS 9 MAR 08 X.25 communication option no longer available after June 2006
 NEWS 10 MAR 22 EMBASE is now updated on a daily basis
 NEWS 11 APR 03 New IPC 8 fields and IPC thesaurus added to PATDPAFULL
 NEWS 12 APR 03 Bibliographic data updates resume; new IPC 8 fields and IPC
 thesaurus added in PCTFULL
 NEWS 13 APR 04 STN AnaVist \$500 visualization usage credit offered
 NEWS 14 APR 12 LINSPEC, learning database for INSPEC, reloaded and enhanced
 NEWS 15 APR 12 Improved structure highlighting in FQHIT and QHIT display
 in MARPAT
 NEWS 16 APR 12 Derwent World Patents Index to be reloaded and enhanced during
 second quarter; strategies may be affected
 NEWS 17 MAY 10 CA/CAPLUS enhanced with 1900-1906 U.S. patent records
 NEWS 18 MAY 11 KOREAPAT updates resume

 NEWS EXPRESS FEBRUARY 15 CURRENT VERSION FOR WINDOWS IS V8.01a,
 CURRENT MACINTOSH VERSION IS V6.0c(ENG) AND V6.0Jc(JP),
 AND CURRENT DISCOVER FILE IS DATED 19 DECEMBER 2005.
 V8.0 AND V8.01 USERS CAN OBTAIN THE UPGRADE TO V8.01a AT
<http://download.cas.org/express/v8.0-Discover/>

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* * * * *

COMPLETE THE STN SURVEY - APRIL 27 THROUGH MAY 31

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Take survey: <http://www.zoomerang.com/survey.zgi?p=WEB2259HNKWTUW>

Thank you in advance for your participation.

* * * * * STN Columbus * * * * *

FILE 'HOME' ENTERED AT 12:57:53 ON 11 MAY 2006

=> fil reg

COST IN U.S. DOLLARS

SINCE FILE

TOTAL

ENTRY

SESSION

FULL ESTIMATED COST

0.21

0.21

FILE 'REGISTRY' ENTERED AT 12:58:26 ON 11 MAY 2006

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Property values tagged with IC are from the ZIC/VINITI data file provided by InfoChem.

STRUCTURE FILE UPDATES: 10 MAY 2006 HIGHEST RN 883788-13-4

DICTIONARY FILE UPDATES: 10 MAY 2006 HIGHEST RN 883788-13-4

New CAS Information Use Policies, enter HELP USAGETERMS for details.

TSCA INFORMATION NOW CURRENT THROUGH January 6, 2006

Please note that search-term pricing does apply when conducting SmartSELECT searches.

*
* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added, *
* effective March 20, 2005. A new display format, IDERL, is now *
* available and contains the CA role and document type information. *
*

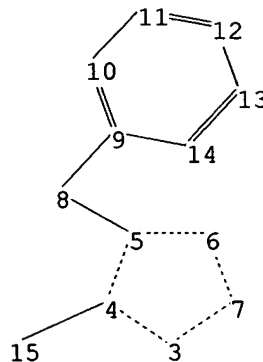
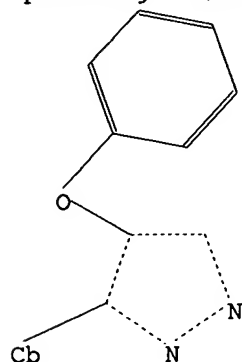
Structure search iteration limits have been increased. See HELP SLIMITS for details.

REGISTRY includes numerically searchable data for experimental and predicted properties as well as tags indicating availability of experimental property data in the original document. For information on property searching in REGISTRY, refer to:

<http://www.cas.org/ONLINE/UG/regprops.html>

=>

Uploading C:\Program Files\Stnexp\Queries\10661947.str



chain nodes :

8 15

ring nodes :

3 4 5 6 7 9 10 11 12 13 14

chain bonds :

4-15 5-8 8-9

ring bonds :

3-4 3-7 4-5 5-6 6-7 9-10 9-14 10-11 11-12 12-13 13-14

exact/norm bonds :

3-4 3-7 4-5 5-6 5-8 6-7 8-9

exact bonds :

4-15

normalized bonds :

9-10 9-14 10-11 11-12 12-13 13-14

G1:S,N

G2:O,S,N

Match level :

3:Atom 4:Atom 5:Atom 6:Atom 7:Atom 8:CLASS 9:Atom 10:Atom 11:Atom 12:Atom

13:Atom 14:Atom 15:Atom

Generic attributes :

15:

Saturation : Saturated

Number of Carbon Atoms : less than 7

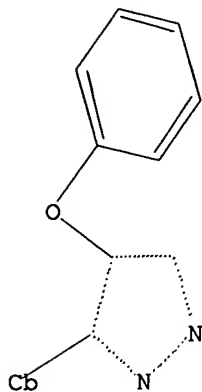
Type of Ring System : Monocyclic

L1 STRUCTURE UPLOADED

=> d 11

L1 HAS NO ANSWERS

L1 STR



G1 S,N

G2 O,S,N

Structure attributes must be viewed using STN Express query preparation.

=> s l1

SAMPLE SEARCH INITIATED 12:58:45 FILE 'REGISTRY'
 SAMPLE SCREEN SEARCH COMPLETED - 433 TO ITERATE

100.0% PROCESSED 433 ITERATIONS 2 ANSWERS
 SEARCH TIME: 00.00.01

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
 BATCH **COMPLETE**
 PROJECTED ITERATIONS: 7412 TO 9908
 PROJECTED ANSWERS: 2 TO 124

L2 2 SEA SSS SAM L1

=> s l1 full

FULL SEARCH INITIATED 12:58:50 FILE 'REGISTRY'
 FULL SCREEN SEARCH COMPLETED - 8918 TO ITERATE

100.0% PROCESSED 8918 ITERATIONS 24 ANSWERS
 SEARCH TIME: 00.00.01

L3 24 SEA SSS FUL L1

=> fil hcaplus

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	166.94	167.15

FILE 'HCAPLUS' ENTERED AT 12:58:56 ON 11 MAY 2006
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FILE COVERS 1907 - 11 May 2006 VOL 144 ISS 20
FILE LAST UPDATED: 10 May 2006 (20060510/ED)

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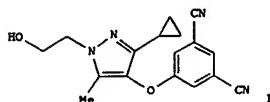
This file contains CAS Registry Numbers for easy and accurate substance identification.

=> s l3

L4 8 L3

=> d ed abs ibib hitstr 1-8

L4 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
 ED Entered STN: 28 Mar 2004
 GI



AB This invention relates to 5-[[[3-cyclopropyl-1-(2-hydroxyethyl)-5-methyl-1H-pyrazol-4-yl]oxy]isophthalonitrile (shown as I) and pharmaceutically acceptable salt, solvate or derivative thereof, to their use in medicine, to compounds containing them, to processes for their preparation and to intermediates used in such processes. I binds to the enzyme reverse transcriptase (IC50 = 295 nM) and is an inhibitor thereof. I had t1/2 >120 min in human liver microsomes and Supremis; it had an unbound hepatocyte clearance <9 mL/min/kg in human hepatocytes. Reverse transcriptase is implicated in the infectious life cycle of Human Immunodeficiency Virus (HIV). Compounds which interfere with the function of this enzyme showed utility in the treatment of conditions caused by HIV and genetically related retroviruses, such as Acquired Immune Deficiency Syndrome (AIDS) (no data). Two examples of the preparation of I are given: cyclocondensation of 2-hydroxyethylhydrazine with 5-[1-(cyclopropylcarbonyl)-2-oxopropyl]isophthalonitrile (and separation of regioisomers) and deprotection of 5-[[[3-cyclopropyl-5-methyl-1-[2-(tetrahydro-2H-pyran-2-yloxy)ethyl]-1H-pyrazol-4-yl]oxy]isophthalonitrile; preparation of the reactants is described.

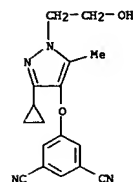
ACCESSION NUMBER: 2004:253142 HCAPLUS
 DOCUMENT NUMBER: 140:287377
 TITLE: Preparation of pyrazolyloxyisophthalonitrile as reverse transcriptase inhibitor in the treatment of AIDS
 INVENTOR(S): Mowbary, Charles Eric; Price, David Anthony; Selby, Matthew Duncan; Stuppel, Paul Anthony
 PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.
 SOURCE: PCT Int. Appl., 32 pp.
 CODEN: PIXXD2
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004024147	A1	20040325	WO 2003-1B3946	20030908
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RW:	GH, GM, KE, LS, MW, MZ, SD, SL, SZ, T2, UG, ZM, ZW, AM, AZ, BY,			

Appl

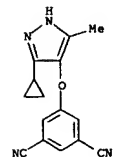
L4 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
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 CA 2496315 A1 20040325 CA 2003-2496315 20030908
 AU 2003263422 A1 20040430 AU 2003-263422 20030908
 EP 1542679 A1 20050622 EP 2003-795160 20030908
 R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK
 BR 2003014243 A 20050726 BR 2003-14243 20030908
 JP 2006004792 T2 20060209 JP 2004-571926 20030908
 US 2004132793 A1 20040708 US 2003-661947 20030912
 WO 2005001833 A 20050614 WO 2005-1833 20050415
 PRIORITY APPL. INFO.: GB 2002-21477 A 20020916
 GB 2002-23354 A 20021008
 US 2002-43397P P 20021213
 WO 2003-1B3946 W 20030908

IT 675198-29-5P, 5-[[[3-Cyclopropyl-1-(2-hydroxyethyl)-5-methyl-1H-pyrazol-4-yl]oxy]isophthalonitrile
 RL: PAC (Pharmacological activity); PKT (Pharmacokinetics); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of pyrazolyloxyisophthalonitrile as reverse transcriptase inhibitor in treatment of AIDS)
 RN 675198-29-5 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[[3-cyclopropyl-1-(2-hydroxyethyl)-5-methyl-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

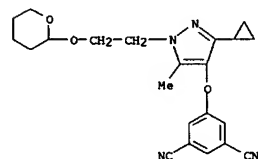


IT 675198-32-0P, 5-[[[3-Cyclopropyl-5-methyl-1H-pyrazol-4-yl]oxy]isophthalonitrile 675198-33-1P, 5-[[[3-Cyclopropyl-5-methyl-1-[2-(tetrahydro-2H-pyran-2-yloxy)ethyl]-1H-pyrazol-4-yl]oxy]isophthalonitrile
 RL: RCT (Reactant); SPN (Synthetic preparation); PREP (Preparation); RACT (Reactant or reagent)
 (preparation of pyrazolyloxyisophthalonitrile as reverse transcriptase inhibitor in treatment of AIDS)
 RN 675198-32-0 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[[3-cyclopropyl-5-methyl-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

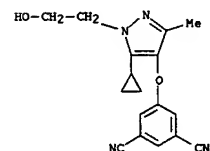
L4 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 675198-33-1 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[[3-cyclopropyl-5-methyl-1-[2-(tetrahydro-2H-pyran-2-yloxy)ethyl]-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

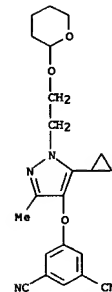


IT 675198-30-8P, 5-[[[5-Cyclopropyl-1-(2-hydroxyethyl)-3-methyl-1H-pyrazol-4-yl]oxy]isophthalonitrile 675198-34-2P, 5-[[[5-Cyclopropyl-3-methyl-1-[2-(tetrahydro-2H-pyran-2-yloxy)ethyl]-1H-pyrazol-4-yl]oxy]isophthalonitrile
 RL: SPN (Synthetic preparation); PREP (Preparation)
 (preparation of pyrazolyloxyisophthalonitrile as reverse transcriptase inhibitor in treatment of AIDS)
 RN 675198-30-8 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[[5-cyclopropyl-1-(2-hydroxyethyl)-3-methyl-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)



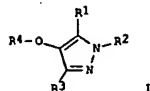
RN 675198-34-2 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[[5-cyclopropyl-3-methyl-1-[2-(tetrahydro-2H-pyran-2-yloxy)ethyl]-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

L4 ANSWER 1 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 ED Entered STN: 01 Nov 2002
 GI

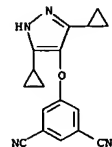


AB This invention relates to pyrazole derivs. (shown as 1; e.g. 2-Amino-6-[[4-(3,5-dichlorophenoxy)-3,5-diethyl-1H-pyrazol-1-yl]methyl]-4(3H)-pyrimidinone) or pharmaceutically acceptable salts, solvates or derivative thereof, wherein R1 to R4 are defined below, and to processes for the preparation thereof, intermediates used in their preparation of, compns. containing then and the uses of such derivs. The compds. of the present invention bind to the enzyme reverse transcriptase and are modulators, especially inhibitors thereof. As such the compds. of the present invention are useful in the treatment of a variety of disorders including those in which the inhibition of reverse transcriptase is implicated. Disorders of interest include those caused by Human Immunodeficiency Virus (HIV) and genetically related retroviruses, such as Acquired Immune Deficiency Syndrome (AIDS). In tests of inhibition of HIV-1 reverse transcriptase enzyme, the claimed compds. 2-amino-6-[[4-(3,5-dichlorophenoxy)-3,5-diethyl-1H-pyrazol-1-yl]methyl]-4(3H)-pyrimidinone, 3,5-dimethyl-4-[[3,5-diethyl-1-(2-hydroxyethyl)-1H-pyrazol-4-yl]oxy]benzonitrile and 1-(3-azetidiny)-4-(3,5-dichlorophenoxy)-3,5-diethyl-1H-pyrazole had IC50 values of 39,000, 3,200 and 248 nM, resp. In 1: R1 is H, C1-C6 alkyl, C3-C7 cycloalkyl, Ph, benzyl, halo, -CN, -OR7, -CONR5R10, R8 or R9. R2 is H, C1-C6 alkyl, C3-C6 alkenyl, C3-C6 alkynyl, C3-C7 cycloalkyl, C3-C7 cycloalkenyl, Ph, benzyl, R8 or R9; or, R1 and R2, when taken together, represent unbranched C3-C4 alkylene. R3 is H, C1-C6 alkyl, C3-C7 cycloalkyl, Ph, benzyl, halo, -CN, -OR7, -CONR5R10, R8 or R9; R4 is Ph, naphthyl or pyridyl. Definitions of R5 and R7-R10 and addnl. specifications are given in the claims. Included are 283 claimed-compound prepn. and 115 intermediate prepn.

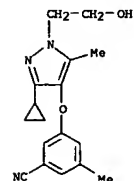
ACCESSION NUMBER: 2002:832763 HCAPLUS
 DOCUMENT NUMBER: 137:337884
 TITLE: Preparation of aryloxy pyrazole derivatives as reverse transcriptase inhibitors for treating HIV
 INVENTOR(S): Jones, Lyn Howard; Mowbray, Charles Eric; Price, Davis Anthony; Selby, Matthew Duncan; Stuppel, Paul Anthony
 PATENT ASSIGNEE(S): Pfizer Limited, UK; Pfizer Inc.
 SOURCE: PCT Int. Appl., 306 pp.
 DOCUMENT TYPE: Patent
 LANGUAGE: English
 FAMILY ACC. NUM. COUNT: 1
 PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002085860	A1	20021031	WO 2002-1B1234	20020404

L4 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 RN 473921-62-3 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[3-(3,5-dicyclopropyl-1H-pyrazol-4-yl)oxy]- (9CI) (CA INDEX NAME)



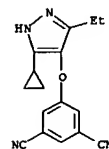
RN 473921-85-6 HCAPLUS
 CN Benzonitrile, 3-[[3-(3-cyclopropyl-1-(2-hydroxyethyl)-5-methyl-1H-pyrazol-4-yl)oxy]-5-methyl- (9CI) (CA INDEX NAME)



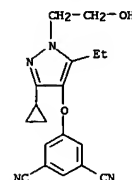
IT 473921-61-8P, 5-[[3-(3-Cyclopropyl-5-ethyl-1-(2-hydroxyethyl)-1H-pyrazol-4-yl)oxy]isophthalonitrile 473921-62-9P, 5-[[5-(3-Cyclopropyl-3-ethyl-1-(2-hydroxyethyl)-1H-pyrazol-4-yl)oxy]isophthalonitrile 473921-83-4P, 5-[[3-(3,5-Dicyclopropyl-1-(2-hydroxyethyl)-1H-pyrazol-4-yl)oxy]isophthalonitrile 473921-84-5P, 5-[[1-(2-Aminoethyl)-3,5-dicyclopropyl-1H-pyrazol-4-yl)oxy]isophthalonitrile 473921-86-7P, 3-[[5-(3-Cyclopropyl-1-(2-hydroxyethyl)-3-methyl-1H-pyrazol-4-yl)oxy]-5-methylbenzonitrile 473921-87-8P, 3-[[3-(3-Cyclopropyl-1-(2-aminoethyl)-5-methyl-1H-pyrazol-4-yl)oxy]-5-methylbenzonitrile 473921-88-9P, 3-[[3-(3-Cyclopropyl-5-methyl-1H-pyrazol-4-yl)oxy]-5-methylbenzonitrile 473924-68-4P, 5-[[3-(3-Cyclopropyl-5-ethyl-1H-pyrazol-4-yl)oxy]isophthalonitrile
 RL: PAC (Pharmacological activity); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); USES (Uses)
 (drug candidate; preparation of aryloxy pyrazole derivs. as reverse transcriptase inhibitors for treating HIV)
 RN 473921-61-8 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[3-(3-cyclopropyl-5-ethyl-1-(2-hydroxyethyl)-1H-pyrazol-4-yl)oxy]- (9CI) (CA INDEX NAME)

L4 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 V: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GR, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TH, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZM, ZW
 RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GN, GQ, GW, ML, MR, NE, SN, TD, TG
 CA 2443449 AA 20021031 CA 2002-2443449 20020404
 EP 1377556 A1 20040107 EP 2002-708600 20020404
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 EE 200300497 A 20040216 EE 2003-497 20020404
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 CN 1514828 A 20040721 CN 2002-811625 20020404
 JP 2004531535 T2 20041014 JP 2002-583387 20020404
 NZ 529403 A 20050624 NZ 2002-529403 20020404
 US 2003100554 A1 20030529 US 2002-118512 20020495
 ZA 2003007095 A 20040910 ZA 2003-7095 20030910
 BG 108244 A 20050430 BG 2003-108244 20031008
 NO 2003004523 A 20031209 NO 2003-4523 20031009
 US 2006020012 A1 20060126 US 2005-157340 20050620
 PRIORITY APPL. INFO: GB 2001-78999 A 20010410
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 US 2002-118512 A3 20020405

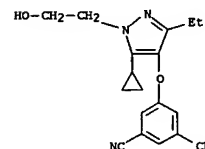
OTHER SOURCE(S): MARPAT 137:337884
 IT 473921-22-1P, 5-[[3-Ethyl-5-cyclopropyl-1H-pyrazol-4-yl]oxy]-1,3-benzenedicarbonitrile 473921-82-3P, 5-[[3,5-Dicyclopropyl-1H-pyrazol-4-yl]oxy]isophthalonitrile 473921-85-6P, 3-[[3-Cyclopropyl-1-(2-hydroxyethyl)-5-methyl-1H-pyrazol-4-yl]oxy]-5-methylbenzonitrile
 RL: PAC (Pharmacological activity); RCT (Reactant); SPN (Synthetic preparation); THU (Therapeutic use); BIOL (Biological study); PREP (Preparation); RACT (Reactant or reagent); USES (Uses)
 (drug candidate; preparation of aryloxy pyrazole derivs. as reverse transcriptase inhibitors for treating HIV)
 RN 473921-22-1 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[5-(3-cyclopropyl-3-ethyl-1H-pyrazol-4-yl)oxy]- (9CI) (CA INDEX NAME)



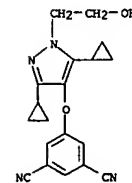
L4 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 473921-62-9 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[5-(3-cyclopropyl-3-ethyl-1-(2-hydroxyethyl)-1H-pyrazol-4-yl)oxy]- (9CI) (CA INDEX NAME)

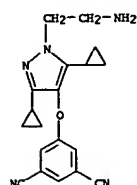


RN 473921-83-4 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[3-(3,5-dicyclopropyl-1-(2-hydroxyethyl)-1H-pyrazol-4-yl)oxy]- (9CI) (CA INDEX NAME)

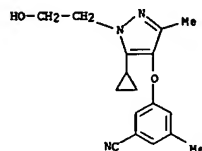


RN 473921-84-5 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-[[1-(2-aminoethyl)-3,5-dicyclopropyl-1H-pyrazol-4-yl]oxy]- (9CI) (CA INDEX NAME)

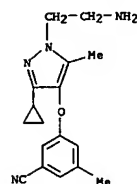
L4 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



RN 473921-86-7 HCAPLUS
 CN Benzonitrile, 3-([5-cyclopropyl-1-(2-hydroxyethyl)-3-methyl-1H-pyrazol-4-yl]oxy)-5-methyl- (9CI) (CA INDEX NAME)

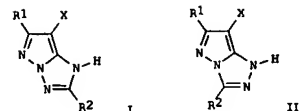


RN 473921-87-8 HCAPLUS
 CN Benzonitrile, 3-([1-(2-aminoethyl)-3-cyclopropyl-5-methyl-1H-pyrazol-4-yl]oxy)-5-methyl- (9CI) (CA INDEX NAME)



RN 473921-88-9 HCAPLUS
 CN Benzonitrile, 3-([3-cyclopropyl-5-methyl-1H-pyrazol-4-yl]oxy)-5-methyl- (9CI) (CA INDEX NAME)

L4 ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
 ED Entered STN: 24 Jul 1998
 G1



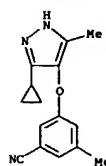
AB The Ag halide color photog. material comprises ≥ 1 Ag halide emulsion layer, wherein (1) (a) the Ag halide grains contain AgCl ≥ 50 mol%, have the major surface with the (100) plane, and provide $\geq 50\%$ of the total projection area from the grains having the aspect ratio of 1:1-1:2 or (b) the Ag halide grains contain AgCl ≥ 50 mol%, have the major surface with the (111) plane, and provide $\geq 50\%$ of the total projection area from the hexagonal-shape grains having the aspect ratio of 1:1-1:10 the Ag halide grains contain AgCl ≥ 50 mol%, have the major surface with the (100) plane, and provide $\geq 50\%$ of the total projection area from the grains having the aspect ratio of 1:1-1:2, and (2) the Ag halide emulsion layer contains ≥ 1 pyrazolotriazole coupler represented by I and II (R_1 = secondary or tertiary alkyl; R_2 = alkyl, aryl; X = H, group capable of being released by coupling reaction with oxidized developing agent). The Ag halide color photog. material provided excellent graininess and a wide exposure latitude.

ACCESSION NUMBER: 1998:459863 HCAPLUS
 DOCUMENT NUMBER: 129:154636
 TITLE: Silver halide color photographic material containing tabular silver halide grains and pyrazolotriazole coupler
 INVENTOR(S): Yokokawa, Takuya; Naruse, Hideaki
 PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
 SOURCE: Jpn. Kokai Tokkyo Koho, 66 pp.
 CODEN: JF004F
 DOCUMENT TYPE: Patent
 LANGUAGE: Japanese
 FAMILY ACC. NUM. COUNT: 2
 PATENT INFORMATION:

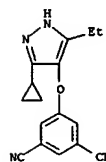
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 10186607	A2	19980714	JP 1997-27165	19970127
US 6228565	B1	20010508	US 1997-959338	19971028
US 6218095	B1	20010417	US 1999-281074	19990310
US 6232055	B1	20010515	US 1999-281075	19990310
PRIORITY APPLN. INFO.:				
			JP 1996-302496	A 19961028
			JP 1997-27165	A 19970127
			JP 1997-41637	A 19970210
			US 1997-959338	A3 19971028

IT 210885-54-4
 RL: TBM (Technical or engineered material use); USES (Uses)
 (silver halide color photog. material containing tabular silver halide grains and pyrazolotriazole coupler)
 RN 210885-54-4 HCAPLUS

L4 ANSWER 2 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



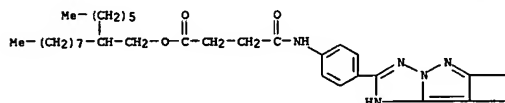
RN 473924-68-4 HCAPLUS
 CN 1,3-Benzenedicarbonitrile, 5-([3-cyclopropyl-5-ethyl-1H-pyrazol-4-yl]oxy)- (9CI) (CA INDEX NAME)



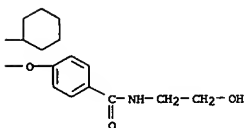
REFERENCE COUNT: 8 THERE ARE 8 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L4 ANSWER 3 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
 CN Butanoic acid, 4-[[4-[6-cyclohexyl-7-[4-[[[(2-hydroxyethyl)amino]carbonyl]p-henoxy]-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]phenyl]amino]-4-oxo-, 2-hexyldecyl ester (9CI) (CA INDEX NAME)

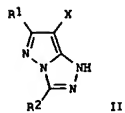
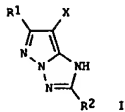
PAGE 1-A



PAGE 1-B



L4 ANSWER 4 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 30 Apr 1997
GI



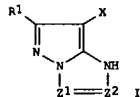
AB Claimed color photog. material is characterized by (1) that green-sensitive layers contain a pyrazolotriazole magenta coupler I or II where R1 is tert-alkyl, and R2 is alkyl or aryl; X is H, halo or leaving group to be released by the coupling reaction with the oxidized developing agent, and (2) that a basic metal compound is incorporated in one of the component layer. The material has a good color developability, and provides an image with good color reproduction. Preferable basic metal compound is Zn(OH)2, and it acts as an activator. Preferable magenta couplers are compound I (R1 = tert-butyl; R2 = 1,2-bis-(decyloxy carbonyl)propionamide; X = Cl) and compound II (R1 = tert-butyl; R2 = 2,4,6-trimethyl-3-(4-(p-benzyloxyphenylsulfo)phenoxy)lauroylamido) phenyl; X = Cl), etc.

ACCESSION NUMBER: 1997:276859 HCAPLUS
DOCUMENT NUMBER: 126:257022
TITLE: Silver halide color photographic material containing a pyrazolotriazole magenta coupler and a basic metal compound to improve developability
INVENTOR(S): Nakagawa, Hajime; Kawagishi, Toshio
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 60 pp.
CODEN: JKKXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 09034071	A2	19970207	JP 1995-200255	19950714
PRIORITY APPL. INFO.: IT 188673-40-7			JP 1995-200255	19950714

IT R1: DEV (Device component use); USES (Uses)
(color photog. material containing pyrazolotriazole magenta coupler and basic

L4 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 28 Sep 1995
GI



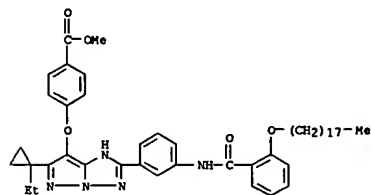
AB The title materials contain photog. couplers, I [Z1, Z2 = CR2, N; R1 = 3-8 membered ring, CHR3R4; R2 = substituent; X = H, group capable of leaving upon reaction with oxidized developing agent; R3, R4 = alkyl, cycloalkyl, aryl, heterocyclyl] and A1(TIME)ADI and/or A2(TIME)ADI [A1 = group containing non-diffusing group and capable of releasing (TIME)ADI upon reaction with oxidized aromatic primary amine developing agent; A2 = group containing no non-diffusing group and capable of releasing (TIME)ADI upon reaction with oxidized aromatic primary amine developing agent; TIME = timing group capable of releasing DI upon separation from A1 or A2; DI = development inhibitor; a = 1, 2] in an emulsion layer(s).

ACCESSION NUMBER: 1995:818818 HCAPLUS
DOCUMENT NUMBER: 123:213053
TITLE: Silver halide color photographic materials with high sensitivity, storage-stability, and suppressed stain formation
INVENTOR(S): Kawagishi, Toshio; Mizukawa, Hiroki; Nakajo, Kyoshi
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 116 pp.
CODEN: JKKXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

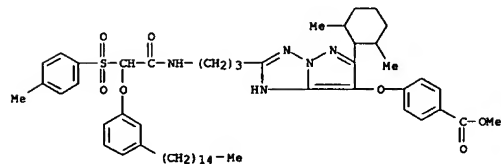
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07191441	A2	19950728	JP 1993-347138	19931227
PRIORITY APPL. INFO.: IT 165255-92-5 168203-46-1 168203-48-3			JP 1993-347138	19931227

IT R1: DEV (Device component use); USES (Uses)
(photog. magenta couplers)
RN 165255-92-5 HCAPLUS
CN Benzoic acid, 4-[[[6-(2,6-dimethylcyclohexyl)-2-[3-[[[4-methylphenyl]sulfonyl](3-pentadecylphenyl)acetyl]amino]propyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)

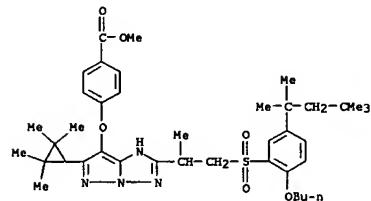
L4 ANSWER 4 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
metal compd. to improve developability)
RN 188673-40-7 HCAPLUS
CN Benzoic acid, 4-[[[6-(1-ethylcyclopropyl)-2-[3-[[[2-(octadecyloxy)benzoyl]amino]phenyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



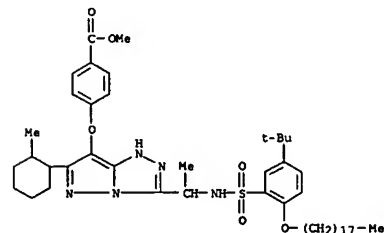
L4 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)



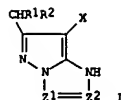
RN 168203-46-1 HCAPLUS
CN Benzoic acid, 4-[[[2-[2-[[[2-butoxy-5-(1,1,3,3-tetramethylbutyl)phenyl]sulfonyl]-1-methylethyl]-6-(2,2,3,3-tetramethylcyclopropyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



RN 168203-48-3 HCAPLUS
CN Benzoic acid, 4-[[[3-[1-[[[5-(1,1-dimethylethyl)-2-(octadecyloxy)phenyl]sulfonyl]amino]ethyl]-6-(2-methylcyclohexyl)-1H-pyrazolo[5,1-c]-1,2,4-triazol-7-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)



L4 ANSWER 5 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

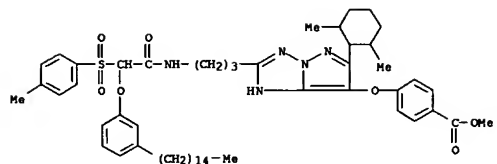
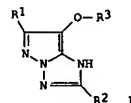
L4 ANSWER 6 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 25 Jul 1995
GI

AB A silver halide color photog. material given suppressed yellow-magenta stains and producing lightfast images contains a coupler represented by the formula I (Z1, Z2 = CR3 or N but Z1 = Z2 ≠ N where R3 = H or a substituent group and when Z1 = Z2 = CR3, R3 can not be H for both Z1 and Z2; R1 = alkyl which is substituted by a group or branched at the α C atom, cycloalkyl, or aryl; R2 = alkyl, cycloalkyl, or substituted aryl and R1 and R2 together may form a 5-7-membered ring; X = H or a group releasable upon reaction with an oxidized developer).

ACCESSION NUMBER: 1995:696107 HCAPLUS
DOCUMENT NUMBER: 123:97780
TITLE: Silver halide color photographic material
INVENTOR(S): Kawagishi, Toshio; Mizukawa, Hiroki; Kobayashi, Hidetoshi
PATENT ASSIGNEE(S): Fuji Photo Film Co Ltd, Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 63 pp.
CODEN: JYOKAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 07110560	A2	19950425	JP 1993-277406	19931012
PRIORITY APPLN. INFO.:			JP 1993-277406	19931012
IT 165255-92-5				
IT	RL: TEM (Technical or engineered material use); USES (Uses) (photog. coupler)			
RN 165255-92-5	HCAPLUS			
CN	Benzoic acid, 4-[[6-(2,6-dimethylcyclohexyl)-2-[3-[[[4-methylphenyl)sulfonyl](3-pentadecylphenoxy)acetyl]amino]propyl]-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]oxy]-, methyl ester (9CI) (CA INDEX NAME)			

L4 ANSWER 6 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

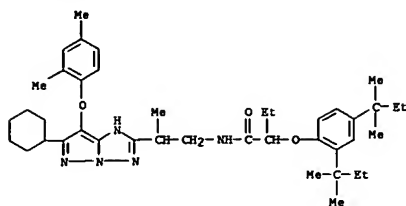
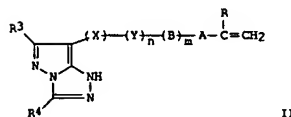
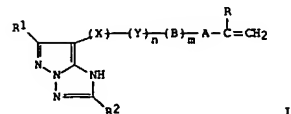
L4 ANSWER 7 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 03 May 1992
GI

AB In the title processing method, a Ag halide color photog. material which contains ≥80 mol% AgCl in ≥1 of its Ag halide emulsion layers and ≥1 magenta coupler(s) I [R1 = H or other substituent; R2 = alkyl, aryl, heterocyclyl; R3 = aryl], is processed by a color developer whose Cl- concentration is 3.5 × 10⁻² - 1.5 × 10⁻¹ mol/L. Stable images with good color reproduction are achieved by this reaction.

ACCESSION NUMBER: 1992:184502 HCAPLUS
DOCUMENT NUMBER: 116:184502
TITLE: Method for processing color photographic material
INVENTOR(S): Naruse, Hideaki; Mizukawa, Hiroki
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 29 pp.
CODEN: JYOKAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 03200144	A2	19910902	JP 1989-338775	19891228
PRIORITY APPLN. INFO.:			JP 1989-338775	19891228
IT 140368-81-6				
IT	RL: USES (Uses) (magenta coupler, color photog. material containing, for good color reproduction)			
RN 140368-81-6	HCAPLUS			
CN	Butanamide, 2-[2,4-bis(1,1-dimethylpropyl)phenoxy]-N-[2-[6-cyclohexyl-7-(2,4-dimethylphenoxy)-1H-pyrazolo[1,5-b][1,2,4]triazol-2-yl]propyl]- (9CI) (CA INDEX NAME)			

L4 ANSWER 7 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)

L4 ANSWER 8 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN
ED Entered STN: 28 Jun 1991
GI

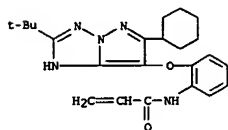
AB The Ag halide color photog. material contains in a Ag halide emulsion layer a (co)polymeric magenta coupler latex, which has a repeating unit of I or II (R = H, C1-4 alkyl, Cl; R1-4 = H, OH, alkyl, aryl, heterocyclyl, alkoxy, aryloxy, alkylthio, arylthio, alkylamino, anilino, acylamino, sulfonamide, alkoxy-carbonyl, alkyl-carbonyl, aryl-carbonyl, carbamoyl, sulfamoyl, alkylsulfonyl, arylsulfonyl; X = divalent moiety which is bonded at active position via O or S and is released by coupling reaction; A = NHCO, OCO, phenylene; Y = O, NH, S, SO, SO2, CONH, COO, NHCO, NHSO2, NHCONH; B = alkylene, aralkylene, phenylene; when n = 1, m = 1; and when n = 0, m = 0 or 1) and undergoes coupling reaction with an oxidized aromatic primary amine developing agent. Moieties released from the material during coupling reaction do not contaminate a developer.

ACCESSION NUMBER: 1991:256858 HCAPLUS
DOCUMENT NUMBER: 114:256858
TITLE: Silver halide color photographic material
INVENTOR(S): Mizukawa, Hiroki; Nakamura, Yoshisada
PATENT ASSIGNEE(S): Fuji Photo Film Co., Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 45 pp.
CODEN: JKOXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

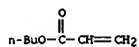
PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 02191948	A2	19900727	JP 1989-114451	19890508
PRIORITY APPLN. INFO.:			JP 1988-257654	A1 19881013
IT 134147-66-3				
RL: USES (Uses)				
				(latex magenta coupler, silver halide color photog. material containing)
RN 134147-66-3				HCAPLUS

L4 ANSWER 8 OF 8 HCAPLUS COPYRIGHT 2006 ACS on STN (Continued)
CN 2-Propenoic acid, butyl ester, polymer with N-[2-[[6-cyclohexyl-2-[(1,1-dimethylethyl)-1H-pyrazolo[1,5-b][1,2,4]triazol-7-yl]oxy]phenyl]-2-propenamide (9CI) (CA INDEX NAME)

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CRN 134147-65-2
CMP C23 H29 N5 O2

CM 2

CRN 141-32-2
CMP C7 H12 O2

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TOTAL

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FULL ESTIMATED COST

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* The CA roles and document type information have been removed from *
* the IDE default display format and the ED field has been added,   *
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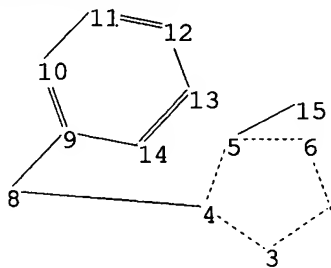
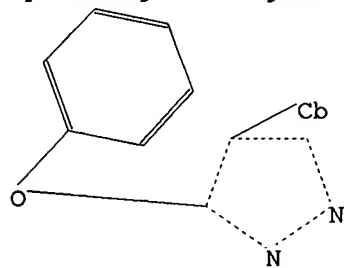
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 ring nodes :
 3 4 5 6 7 9 10 11 12 13 14
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 ring bonds :
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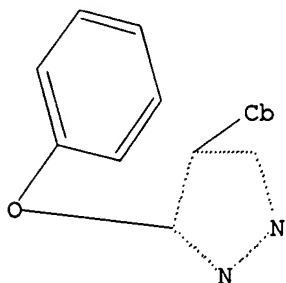
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G2:O,S,N

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 13:Atom 14:Atom 15:Atom
 Generic attributes :
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 Saturation : Saturated
 Number of Carbon Atoms : less than 7
 Type of Ring System : Monocyclic

L5 STRUCTURE UPLOADED

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 L5 STR



G1 S,N

G2 O,S,N

Structure attributes must be viewed using STN Express query preparation.

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 SAMPLE SCREEN SEARCH COMPLETED - 550 TO ITERATE

10661947Amend

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0 ANSWERS

FULL FILE PROJECTIONS: ONLINE **COMPLETE**
BATCH **COMPLETE**
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0 ANSWERS

L7 0 SEA SSS FUL L5

=> log y
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FULL ESTIMATED COST

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)

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